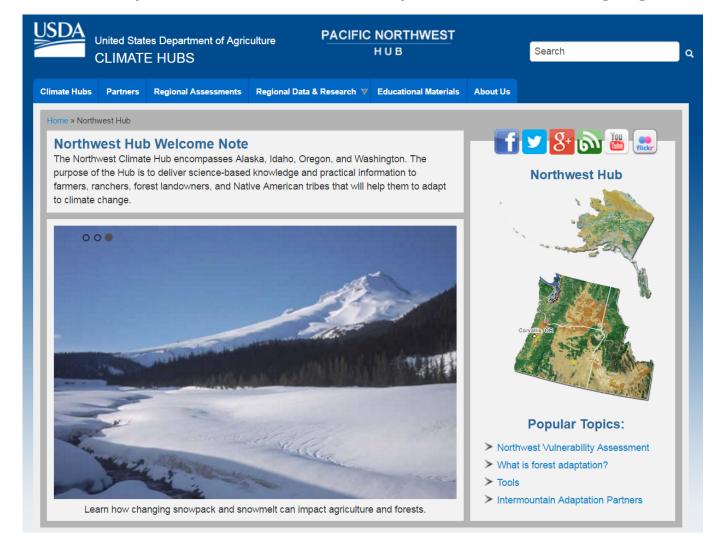
USDA Climate Hubs Purpose: Communicate information and tools so managers can make decisions on working landscapes that incorporate science-based climate change information.

Outcome: Sustainable and productive forests, rangelands, and agricultural lands in all ownerships that are better adapted to the changing climate.



Website:

https://www.climatehubs.oce.usda.gov/ northwest

- Vulnerability assessments
- Educational resources
- News and Events
- Decision Support systems
 - Tools
 - Data visualization

Anticipated Impacts to Agriculture in the Region:

- Higher temperatures
- Decreased chilling hours
- Greater severity of droughts and floods
- Less water availability (soil moisture as well as water for irrigation- reductions in snowpack)
- Pests/Disease dynamics- changes will impact both yield/productivity and product quality

Adaptation Strategies:

- Dry farming in Western OR
- Focus on soil organic carbon/soil health through tillage/green manure/biochar
- Changes to irrigation efficiency
- Diversifying cropping systems
- New genetics of livestock (heat stress major issue)
- Altering IPM strategies
- New varietals (e.g., wine grapes/fruit & nut trees)